

Kyle Thompson

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613 Linnwill Place
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Education

The University of Iowa, Iowa City, IA **Aug. 2018 - May 2021**
Bachelor of Science in Engineering
Major: Electrical Engineering

Des Moines Area Community College, Ankeny, IA **May 2020 - Aug. 2020**

Iowa State University, Ames, IA **Aug. 2021 - Present**
Bachelor of Science in Engineering
Major: Electrical Engineering

Work Experience

Hy-Vee, West Des Moines, IA **Mar. 2017 - May 2021**
Customer Service

- Learned how to manage small projects proficiently.
- Worked in teams to bring well handled products to customers.
- Used problem solving capabilities to assist in customer/management needs.
- Engaged in efficient multitasking to ensure that maximum productivity was being achieved.

University Housing and Dining, Iowa City, IA **Jan. 2020 - May 2021**
Desk Clerk

- Handled important and private information of residents responsibly.
- Kept constant logs of changes and new information to ensure accurate bookkeeping and organization.

Target, Ankeny, IA **July 2021 - Sep 2022**
General Merchandise

- Manage inventory and work on strategies to increase sales and efficiency with a large team.
- Work 15-20 hours a week while balancing the work of being a full time student.

Vermeer, Pella, IA **May 2022 - Present**
Embedded Software Engineering Intern

- Designed a simulator to accurately depict the mid-size horizontal directional drills to increase productivity and quality of life.
- Optimized C code to increase the safety and consistency of the PD10 pile driver.
- Wrote test cases to ensure that new product machine code is thoroughly tested for safety and functionality.
- Helped create complex machine logic for a large scale machine code conversion from C to Matlab Simulink.

Software Familiarity

- Matlab/Simulink
- C/C++
- Danfoss+1 Guide
- OrCad Circuit Design
- Kvaser CANKing
- Python
- Verilog
- Quartus Prime
- Questa ModelSim
- LTSpice
- Polarion

Other Experience

Research Project, Iowa Robotic Observatory, Iowa City, IA **Jan. 2020 - May 2020**
Researcher

- *Using a university telescope, I was apart of a team who observed 3 Wolf-Rayet stars for approximately 8 weeks.*
- *During this time I handled mass amounts of data and organized it to be analyzed while working with a group.*

Leadership & Involvement

Crohn's and Colitis Foundation, West Des Moines, IA **Aug. 2017 - Sep. 2017**
Volunteer

- *Assisted with task during a yearly walk/fundraiser.*

Make-A-Wish Foundation, West Des Moines, IA **May 2017-Aug. 2018**
Volunteer

- *Helped with miscellaneous task related to granting children's wishes.*

Science Center of Iowa, West Des Moines, IA **Dec. 2017 - Aug. 2018**
Volunteer

- *Helped teach a youth oriented star show using IMAX technology.*